

THE PENDING CLAIMS

1. (Canceled)

2. (Previously Presented) A panel displaying method of an order receiving POS (Point-Of-Sales) terminal which includes a display unit, comprising the steps of:

initially displaying a touch panel laid out integrally in an initially displayed screen, the touch panel including an item key unit formed of a plurality of keys for every item including an item of a predetermined set of articles being a combination of a base item and at least one optional item, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered;

when touching keys for the predetermined set of articles in said item key unit,

1) displaying and registering the base item from a selected set and

2) pop-up displaying over the initially displayed screen on said display unit, simultaneously with the displaying and registration of the base item, an optional touch panel formed of optional item keys, each optional item key corresponding to an individual optional item in the selected set so that at least one optional item can be selected from such plurality of optional items, said at least one optional item being essential to complete the selected set; and

when touching a selected one of the optional item keys on the optional touch panel corresponding to at least one optional item, displaying and registering said at least one optional item along with the registered and displayed base item thereof.

3. (Previously Presented) A panel displaying method of an order receiving POS (Point-Of-Sales) terminal including a display unit that displays a touch panel laid out integrally in an initially displayed screen, the touch panel including an item key unit formed of a plurality of keys for every item including an item of a predetermined set of articles being a combination of a base item and at least one optional item, said plurality of keys being operable when an order for articles is received from a customer, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered, comprising the steps of:

when said set is ordered,

displaying the base item from a selected set on the display unit, and

pop-up displaying over the initially displayed screen on the display unit, simultaneously with said displaying of the base item, a touch panel formed of keys each corresponding to an individual optional item;

selecting and registering the optional items by inputting the optional items from the pop-up displayed touch panel and inputting the quantity of each of the inputted optional items from said ten key unit one after another; and

until after said number of the selected and registered optional items reaches a predetermined value corresponding to a number of selectable optional items for said ordered set which number is set before said pop-up displaying of said touch panel,

holding said pop-up displaying of said touch panel on the display unit.

4. (Previously Presented) The panel displaying method of an order receiving POS terminal according to claim 2, further comprising the step of holding said pop-up displaying of said touch panel on the display unit until after the number of the selected and registered optional items reaches a predetermined value.

5-8 (Canceled)

9. (Previously Presented) A panel displaying method of an order receiving POS (Point-Of-Sales) terminal, wherein said POS terminal includes a display unit that displays a touch panel laid out integrally in a screen, the touch panel including an item key unit formed of a plurality of keys for every item including an item of a predetermined set of articles being a combination of a base item and at least one optional item, said plurality of keys being operable when an order for article is received from a customer, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered, comprising the steps of:

displaying said function key unit having

a) a memory key for temporarily holding order information of a trade with said customer into 1) a first memory storing order information for which a payment is completed, or 2) a second memory storing order information for which a payment is not completed, according to a condition of a payment of the trade, and

b) first and second memory calling keys for displaying said order information stored in said first memory and said second memory respectively, on said display unit;

displaying a first screen to register an article on said display unit when said order information is information about completion of a customer's order; and

displaying a second screen for said payment on said display unit when said order information before completion of the trade is read out from said second memory by operating said second memory calling key.

10. (Canceled)

11. (Previously Presented) An order receiving POS terminal comprising:

a display unit for displaying a touch panel laid out integrally in a screen, the touch panel including an item key unit formed of a plurality of keys for every item including an item of a predetermined set of articles being a combination of a base item and at least one optional item, said plurality of keys being operable when an order for article is received from a customer, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered;

a first memory for temporarily storing order information for which payment of the order is completed;

a second memory for temporarily storing order information for which payment of the order is not completed; and

a control unit for controlling contents of said memories and display mode of said display unit according to operation of said touch panel;

said function key unit including a memory key for temporarily storing said order information into said first memory or into said second memory in accordance with a condition of payment, a first memory calling key for displaying order information stored in said first memory, and a second memory calling key for displaying order information stored in said second memory.

12. (Canceled)

13. (Previously Presented) The panel displaying method of an order receiving POS terminal according to claim 3, further comprising the step of:

 when a plurality of sets of items each composed of a plurality of items are selected,

 holding said pop-up displaying of said touch panel on such display unit until after total number of the selected optional items for all the selected sets reaches the sum of a plurality of predetermined values each corresponding to the number of the selectable optional items for the individual selected set.

14. (Previously Presented) The panel displaying method of an order receiving POS terminal according to claim 4, further comprising the step of:

 when a plurality of sets of items each composed of a plurality of items are selected,

 holding said pop-up displaying of said touch panel on such display unit until after a total number of the selected optional items for all the selected sets reaches the sum of

a plurality of predetermined values each corresponding to the number of selectable optional items for the individual selected set.

15. (Previously Presented) A method for registering a selected one of a plurality of different sets of articles, each set being a combination of at least one base item and at least one optional item different from the at least one base item, the at least one base item being unselectable and automatically selected, and the optional item being essential to the set and not automatically selected, comprising the steps of:

initially displaying a touch panel laid out integrally in an initially displayed screen, the touch panel including an item key unit formed of a plurality of keys for every set of articles, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered;

touching a key corresponding to a selected set of articles in said item key unit

1) to automatically display and register said at least one base item for said selected set of articles and

2) to pop-up display an optional touch panel over the initially displayed screen on said displayed touch panel, simultaneously with the automatic display and registration of said at least one base item, said optional touch panel being formed of a plurality of optional item keys corresponding to the respective optional items essential to said selected set;

touching a selected one of the optional item keys corresponding to a selected optional item to display said selected optional item with said registered and displayed at least one base item; and

deleting said optional touch panel when all the selectable optional items for said selected set have been registered.

16. (Previously Presented) A panel displaying method for displaying, on a display unit in an order receiving POS (Point-Of-Sales) terminal, a touch panel including a plurality of keys, operated during a registration process in which one or more commodities ordered by a customer is registered and an account process in which payment for said ordered commodities is executed, said method comprising the steps of:

displaying, upon said registration process with respect to said ordered commodities, an order inputting screen laid out integrally in a screen, the order inputting screen including an item key unit having a plurality of keys, one allocated to an individual commodity, for registering said ordered commodities, a first ten key unit for inputting the number of said ordered commodities, a statement display unit for displaying information about said ordered commodities which are registered, and a first function key unit having a plurality of function keys for executing each corresponding function;

displaying, upon said account process after completion of said registration process, by changing from the order inputting screen, an account screen laid out with said statement display unit, a second ten key unit for inputting an amount of money deposited by the customer, a sum displaying section for displaying sum price of said ordered commodities, which been registered, a deposit displaying section for displaying

the amount of the deposited money, and a second function key unit having a plurality of function keys for executing each corresponding function; and

displaying, after completion of the account process, by changing from the account screen, another order inputting screen with identical elements as said first-designated order inputting screen.

17. (Previously Presented) An order receiving POS (Point-Of-Sales) terminal comprising:

a display unit for displaying a touch panel including a plurality of keys, operated during a registration process in which one or more commodities ordered by a customer are registered and an account process in which payment for said ordered commodities is executed; and

a control unit for controlling a displaying state of said display unit in accordance with an operation of said touch panel so as to display, upon said registration process with respect to said ordered commodities, an order inputting screen laid out integrally in a screen, the order inputting screen including an item key unit having a plurality of keys, one allocated to an individual commodity, for registering said ordered commodities, a first ten key unit for inputting the number of said ordered commodities, and a first function key unit having a plurality of function keys for executing each corresponding function, so as to display, upon said account process after completion of said registration process, by changing from the order inputting screen, an account screen laid out with said statement display unit, a second ten key unit for inputting an amount of money deposited by the customer, a sum displaying section for displaying sum price of

said ordered commodities, which have been registered, a deposit displaying section for displaying the plurality of function keys for executing each corresponding function, and so as to display, after completion of the account process, by changing from the account screen, another order inputting screen with identical elements as a first-designated order inputting screen.

18. (Previously Presented) A recording medium in which a panel displaying program for displaying, on a display unit in an order receiving POS (Point-Of-Sales) terminal, a touch panel including a plurality of keys, operated during a registration process in which one or more commodities ordered by a customer is registered and an account process in which payment for said ordered commodities is executed, is recorded, wherein

displaying, upon said registration process with respect to said ordered commodities, an order inputting screen laid out integrally in a screen, the order inputting screen including an item key unit having a plurality of keys, one allocated to an individual commodity, for registering said ordered commodities, a first ten key unit for inputting the number of said ordered commodities, a statement display unit for displaying information about said ordered commodities which are registered, and a first function key unit having a plurality of function keys for executing each corresponding function;

displaying, upon said account process after completion of said registration process, by changing from the order inputting screen, an account screen laid out with said statement display unit, a second ten key unit for inputting an amount of money

deposited by the customer, a sum displaying section for displaying sum price of said ordered commodities, which have been registered, a deposit displaying section for displaying the amount of the deposited money, and a second function key unit having a plurality of function keys for executing each corresponding function; and

displaying, after completion of the account process, by changing from the account screen, another order inputting screen with identical elements as said first-designated order inputting screen.

19. (Previously Presented) An order receiving POS (Point-Of-Sales) terminal comprising:

a display unit for initially displaying a touch panel laid out integrally in an initially displayed screen, the touch panel including an item key unit formed of a plurality of keys for every item including an item of a predetermined set of articles being a combination of a base item and at least one optional item, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered; and

control means, operatively connected with said display unit and operable when a key for the predetermined set of articles in said item key unit is touched by a customer, for

1) displaying and registering on said display unit the base item from a selected set and

2) pop-up displaying over the initially displayed screen on said display unit, simultaneously with the displaying and registration of the base item, an optional touch

panel formed of optional item keys, each optional item key corresponding to an individual optional item in the selected set so that at least one optional item can be selected from such plural optional items, said at least one optional item being essential to complete the selected set;

 said control means being also operable, when a selected one of the optional item keys on the optional touch panel corresponding to at least one optional item is touched by the customer, to display and register said at least one optional item along with the registered and displayed base item thereof.

20. (Previously Presented) An order receiving POS (Point-Of-Sales) terminal comprising:

 a display unit that initially displays a touch panel laid out integrally in an initially displayed screen, the touch panel including an item key unit formed of a plurality of keys for every item including an item of a set of articles being a combination of a base item and at least one optional item operable when an order for a set of articles is received from a customer, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered; and

 control means, operatively connected with said display unit and operable when said set is ordered by the customer, for

 1) displaying the base item of the ordered set on said display unit, and

2) pop-up displaying over the initially displayed screen on said display unit, simultaneously with said displaying of the base item, a touch panel formed of keys each corresponding to individual optional items selectable in the ordered set;

 said control means being also operable to select and register the optional items by inputting the optional items from the pop-up displayed touch panel and inputting the quantity of each of the inputted optional items from said ten key unit one after another by the customer;

 until after said number of the selected and registered optional items reaches a predetermined value corresponding to a number of selectable optional items for said ordered set which number is set before said pop-up displaying of said touch panel,

 said control means being also operable to hold said pop-up displaying of said touch panel on said display unit.

21. (Previously Presented) An order receiving POS (Point-Of-Sales) terminal in which a selected one of a plurality of different sets of articles, each set being a combination of at least one base item and at least one optional item different from the at least one base item, the at least one base item being unselectable and automatically selected, and the optional item being essential to the individual set and not automatically selected, said terminal comprising:

 a display unit for initially displaying a touch panel laid out integrally in an initially displayed screen, the touch panel including an item key unit formed of a plurality of keys, for every set of articles, a function key unit formed of a plurality of keys for every

specific function in operation, and a ten key unit for entering a quantity of the set to be ordered; and

control means, operatively connected with said display unit and operable, when one of the keys corresponding to a selected set of articles in said item key unit is touched by a customer, for

1) automatically displaying and registering said at least one base item for said selected set of articles and

2) pop-up displaying an optional touch panel over the initially displayed screen on said displayed touch panel, simultaneously with the automatic display and registration of said at least one base item, said optional touch panel being formed of a plurality of optional item keys corresponding to the respective optional items essential to said selected set;

when a selected one of the optional item keys corresponding to a selected optional item on said display unit is touched by the customer,

said control means being also operable to display said selected optional item with said registered and displayed at least one base item;

when all the selectable optional items for said selected set have been registered, said control means being operable to delete said optional touch panel.

22. (Previously Presented) A panel displaying method of an order receiving POS (Point-Of-Sales) terminal which includes a display unit, comprising the steps of:

initially displaying a touch panel laid out integrally in an initially displayed screen, the touch panel including an item key unit formed of a plurality of keys for every item

including an item of a predetermined set of articles being a combination of a base item and at least one optional item, a function key unit formed of a plurality of keys for every specific function in operation, and a ten key unit for entering a quantity of the set to be ordered;

when touching a key for the predetermined set of articles in said item key unit,

1) registering the base item from a selected set and

2) pop-up displaying over the initially displayed screen on said display unit, simultaneously with the registration of the base item, an optional touch panel formed of optional items keys, each optional item key corresponding to an individual optional item in the selected set so that at least one optional item can be selected from such plurality of optional items, said at least one optional item being essential to complete the selected set; and

when touching a selected one of the optional item keys on the optional touch panel corresponding to at least one optional item, registering said at least one optional item along with the registered and displayed base item thereof.